

APC anti-human CD32

Catalog # / Size: 303207 / 25 tests
303208 / 100 tests

Clone: FUN-2

Isotype: Mouse IgG2b, κ

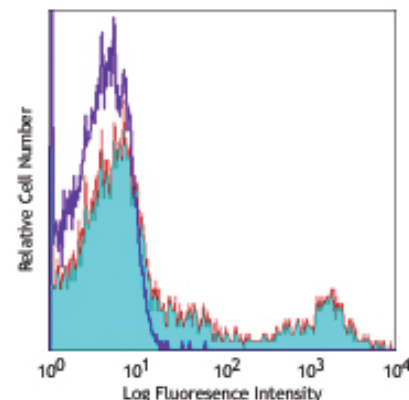
Workshop Number: VI B051

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with APC under optimal conditions. The solution is free of unconjugated APC and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



Human peripheral blood lymphocytes stained with FUN-2 APC

Applications:

Applications: FC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 μ l to 5 μ l per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 μ l staining volume or per 100 μ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. Read more at www.biolegend.com/testsize regarding the test size change.

Application Notes: Additional reported applications (for the relevant formats) include: immunohistochemical staining³ of acetone-fixed frozen tissue sections.

Application References:

1. Kishimoto T, *et al.* 1997. Leucocyte Typing VI Garland Press. London.
2. Lerino F, *et al.* 1993. *J. Immunol.* 150:1794.
3. Personal communication.
4. van Tits L, *et al.* 2005. *Arterioscler Thromb Vasc Biol.* 25:717.
5. Smeltz RB, 2007. *J. Immunol.* 178:4786.

Description: CD32 is a 40 kD polymorphic transmembrane glycoprotein also known as Fc γ RII and FCRII. It is an immunoglobulin superfamily member expressed on monocytes/macrophages, granulocytes, platelets and B cells. There are at least 6 isoforms of CD32 resulting from alternative mRNA splicing. CD32 mediates phagocytosis and oxidative burst in granulocytes, as well as platelet aggregation and immunomodulation. The extracellular domain of CD32 binds to polymeric and aggregated IgG and immune complexes, while the intracellular domain has been reported to associate with SHP-1 (B1 isoform).

Antigen References:

1. Stuart S, *et al.* 1989. *EMBO J.* 8:3657.
2. Huang Y, *et al.* 1999. *Scand. J. Immunol.* 49:177.
3. Hisaka H, *et al.* 1999. *Pathobiology* 67:92.

| Related Products: | Product | Clone | Application |
|-------------------|---|--------|---------------|
| | PE anti-human CD64 | 10.1 | FC |
| | APC anti-human CD16 | 3G8 | FC |
| | APC Mouse IgG2b, κ Isotype Ctrl | MPC-11 | FC, ICFC |
| | Cell Staining Buffer | | FC, ICC, ICFC |
| | RBC Lysis Buffer (10X) | | FC, ICFC |
| | Human TruStain FcX™ (Fc Receptor Blocking Solution) | | FC, ICC, ICFC |



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